Amendments to Specification

Please replace a paragraph from line 15 to line 25 on page 6 with the following amended paragraph:

To the document inlet 6b on the frame 6a is provided a pick-up roller 11 that touches a document stacked in the sheet supply tray 5 and ~~pull~~ pulls the document out. At downstream of this pickup roller 11 is arranged a paper separation mechanism 12 that comprises a separation pad 12b that touches a separation roller 12a to achieve reliable separation of the pullout documents into a single sheet. At downstream of the transport path in the paper separation mechanism 12, a pair of register rollers 14 is arranged. The edge of ~~documents~~ the document separated by the paper separation mechanism ~~form~~ forms a bend thereby removing any skews thereof.

Please replace paragraphs from line 5 to line 25 on page 7 with the following amended paragraphs:

Of these, the first photoelectric conversion means 20 is housed in the lower unit 2, and reads the images on the documents that pass over the sheet-through platen 21 positioned between a pair of read rollers 16 arranged in continuation along the transport path 10 and intermediate rollers 17. The first photoelectric conversion means 20 comprises a reduction sensor and is equipped with the first carriage 22 and the second carriage 24. Each of the carriages ~~of~~ 22 and 24 driven by a motor (not shown in the drawings) ~~move~~ moves in the left and right directions of the drawing in unison while keeping a specific distance with each other.

On the carriage 22 are mounted the light source 25 for illuminating the document and the reflecting mirror 26 for receiving light reflected from the document illuminated by the light source 25 and changing the direction to a horizontal direction. On the carriage 24 are mounted a reflective mirror 28 to ~~reflects~~ reflect the horizontally directed light from the reflective mirror 26 to a vertical direction, and a reflective mirror 29 that changes the direction of the vertically directed

light by the reflective mirror 28 to a horizontal direction that is opposite to that of the light reflected from the reflective mirror 26.

Please replace paragraphs from line 21 on page 8 to line 17 on page 9 with the following amended paragraphs:

The second photoelectric conversion means 40 is disposed inside the upper unit 3 for reading images on the opposite side of the documents read by the first photoelectric conversion means 20. The second photoelectric conversion means 40 is arranged at downstream of the pair of intermediate rollers 17 where the transport path on the upstream side of the discharge tray forms a straight line. A lifting guide 38 lifts documents passed through a reading position x1 on the sheet-through platen 21, and then ~~The~~ the second photoelectric conversion means 40 reads the images on the opposite sides of the document.

According to the present invention, the second photoelectric conversion means 40 comprises a CIS type image sensor. More specifically, it comprises a light source to irradiate light to an image on ~~an~~ a document, a protective glass ~~therethrough~~ through which this irradiating light and the light reflected from the document ~~passes through~~ pass, and a contact image sensor (CIS) unit holding the image sensor that detects the light reflected from the document that passes through the protective glass. Light detected by the line image sensor is converted into digital signals by a printed circuit board 41, and the digital signal is transmitted to [[a]] an interface printed circuit board in a copier via an image processing circuit board 33.

Please replace a paragraph from line 12 to line 22 on page 11 with the following amended paragraph:

To prevent this from happening, a reading guide 48 for guiding the document from the transport guide 47 to the backup plate 43 is provided. Therefore, the reading guide 48 is an adjustable part depending on the step generated between the transport guide 47 and the backup guide 46. So, it is preferred to form the reading guide

means 48 of a bendable filling member ~~48~~. One end of the reading guide 48 is mounted to the transport guide 47[[.]] and protrudes from the document transport surface on the transport guide 47 into the circumference of ~~an~~ the intermediate rollers 17. The backup guide means 46 is formed of a reference white plate for adjusting shade.

Please replace a paragraph from line 15 on page 12 to line 5 on page 13 with the following amended paragraph:

At the downstream side of the second photoelectric conversion means 40 as shown in FIG. 3, a pair of discharge rollers 50 is arranged. The pair of discharge rollers discharges processed documents to the discharge tray 7 via the document discharge outlet 6c. Furthermore, according to this embodiment, ~~the rollers of~~ the discharge ~~roller~~ rollers 50 ~~are~~ contact with each other and extend ~~either to the~~ for a length same as the reading width of the image sensors or longer in their rotational axes direction ~~thereof~~ as a fastened single body. They are configured to prevent the infusion of external light disturbance to the reading line x2 on the photoelectric conversion means 40 through the document discharge outlet 6c. Thus, even if the optical reading device is composed of a CIS which is sensitive to light disturbances, such disturbance is suppressed so that no noise is generated in the analog signal detected by the CCD sensor, and accurate image processing is achieved.

Please replace a paragraph from line 7 to line 21 on page 16 with the following amended paragraph:

If the empty sensor continues to detect the second and more documents stacked on the sheet supply tray while the first document is transported and read, the second document is fed after a predetermined time (t3) after the trailing edge of the first document has passed the register sensor. Thus, the time intervals between the first and second documents can be ensured. Then, the register sensor 61 detects the leading edge of the second document, and the ~~lead~~ leading edge thereof abuts against the register

rollers 14. The paper feed and transportation for the second and subsequent documents ~~is~~ are operated in the same manner as the first document. While the second sheet is being fed and transported, the discharge rollers 50 ~~discharges~~ discharge the first document. At that time, after the discharge sensor 63 detects the trailing edge of the first document, it is recognized that the document has been discharged to the discharge tray.